

Notice of Allowability

Application No.

10/671,495

Applicant(s)

SHIOTA ET AL.

Examiner

Art Unit

Inder P. Mehra

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application dated: 9/29/03.
2. ☒ The allowed claim(s) is/are 1-33.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date see office action
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. This office action is in response to application dated: 9/29/03. Based on this application, claims 1-33 are pending.

Information Disclosure Statement

2. The information disclosure statement (IDS) were submitted on 8/24/06, 12/22/06 and 12/30/03. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Allowable Subject Matter

3. Claims 1-33 are allowed.

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance:

The prior art of record does not disclose, teach or suggest directly, or indirectly the following limitations in combinations with other limitations of the claims, as follows:

As recited by claims 1, 13, 25

a position data table memorizing, in correspondence to first and second spot data representative of the first and the second providing spots, first and second spot position data representative of the first and the second positions, first and second area data representative of first and second areas including the first and the second providing spots, and first and second ISP

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data representative of the first and the second ISPs hosting the first and the second providing spots;

an ISP agreement data table memorizing, in correspondence to the first and the second ISP data representative of the first and the second ISP@, first and second agreement data representative of agreements made between a user of the computer apparatus and the first and the second ISPs;

an area data and ISP data output unit, responsive to the current position data and referring to the position data table, for identifying as specific spot data one of the first and the second spot data which corresponds to one of the first and the second spot position data which coincides with the current position data, producing as specific area data one of the first and the second area data which corresponds to the specific spot data, and producing as specific ISP data one of the first and the second ISP data which corresponds to the specific spot data; and

an enable signal output unit, responsive to the specific ISP data and referring to an ISP agreement data table, for producing an enable signal if the TSP agreement data memorizes one of the first and the second agreement data in correspondence to one of the first and the second ISP data which coincides with the specific ISP data;

the wireless LAN connecting unit being preliminarily given a plurality of wireless LAN communication modes corresponding to a plurality of area data, the wireless LAN connecting unit being responsive to the enable signal and the specific area data and automatically setting, as a selected communication mode, one of the wireless LAN communication modes which

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corresponds to the specific area data to carry out Internet connection via the wireless LAN in the selected communication mode.

As recited by claims 5, 17

a position data table memorizing, in correspondence to first and second spot data representative of the first and the second providing spots, first and second spot position data representative of the first and the second positions, first and second country data representative of first and second countries including the first and the second providing spots, and first and second ISP data representative of the first and the second ISPs hosting the first and the second providing spots;

an ISP agreement data table memorizing, in correspondence to the first and the second ISP data representative of the first and the second ISP@, first and second agreement data representative of agreements made between a user of the computer apparatus and the first and the second ISPs;

a country data and ISP data output unit, responsive to the current position data and referring to the position data table, for identifying as specific spot data one of the first and the second spot data which corresponds to one of the first and the second spot position data which coincides with the current position data, producing as specific country data one of the first and the second country data which corresponds to the specific spot data, and producing as specific ISP data one of the first and the second ISP data which corresponds to the specific spot data; and

an enable signal output unit, responsive to the specific ISP data and referring to an ISP agreement data table, for producing an enable signal if the TSP agreement data memorizes one of

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the first and the second agreement data in correspondence to one of the first and the second ISP data which coincides with the specific ISP data;

the wireless LAN connecting unit being preliminarily given a plurality of wireless LAN communication modes corresponding to a plurality of country data, the wireless LAN connecting unit being responsive to the enable signal and the specific country data and automatically setting, as a selected communication mode, one of the wireless LAN communication modes which corresponds to the specific country data to carry out Internet connection via the wireless LAN in the selected communication mode.

As recited by claims 9, 21, and 27

a position data table memorizing, in correspondence to first and second spot data representative of the first and the second providing spots, first and second spot position data representative of the first and the second positions, and first and second ISP data representative of first and second hosting the first and the second providing spots;

an ISP agreement data table memorizing, in correspondence to the first and the second ISP data representative of the first and the second ISPs, first and second agreement data representative of agreements made between a user of the computer/client (claim 21) apparatus and the first and the second ISPs;

an ISP data output unit, responsive to the current position data and referring to the position data table, for identifying as specific spot data one of the first and the second spot data which corresponds to one of the first and the second spot position data which coincides with the

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current position data, and producing as specific ISP data one of the first and the second ISP data which corresponds to the specific spot data; and

an enable signal output unit, responsive to the specific ISP data and referring to an ISP agreement data table, for producing an enable signal if the ISP agreement data table memorizes one of the first and the second agreement data in correspondence to one of the first and the second ISP data which coincides with the specific ISP data;

the wireless LAN connecting unit being preliminarily given a plurality of wireless LAN communication modes corresponding to a plurality of area data, the wireless LAN connecting unit being responsive to the enable signal and the specific area data and automatically setting, as a selected communication mode, (one of the wireless LAN communication modes, see claim 21) which corresponds to the specific area data to carry out Internet connection via the wireless LAN in the selected communication mode.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Prior Art of Record

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- **Khan et al** (US Pub. No. 2006/0218267) discloses network system, and application monitoring using a diskless and fanless device.

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- **Ahmavaara** (US Pub. No. 2004/0068571) discloses an access system to provide access from a terminal device to a second access network.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Inder P. Mehra whose telephone number is 571-272-3170. The examiner can normally be reached on Monday through Friday from 8AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph Feild can be reached on 571-272-4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Inder Pal Mehra 1/9/07
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Examiner
Art Unit 2617

Joseph Feild
JOSEPH FEILD
SUPERVISORY PATENT EXAMINER